

Chapter 5

Section 5.3

Equation (5.69) should read

$$f = e_0 - \mu - T \int_{-\pi}^{\pi} dk \rho_0(k) \ln(1 + \zeta(k)) \\ - T \int_{-\infty}^{\infty} d\Lambda \sigma_0(\Lambda) \ln(1 + \eta_1(\Lambda)),$$

Chapter 6

Section 6.7

There is a factor of (-4) missing in the second line of Equation (6.83). It should read

$$f(u, \mu = 0, B = 0) = -u - \ln(2) \frac{1}{u} \\ - 4 \sum_{n=2}^{\infty} (-1)^{n-1} \left[\frac{(2n-1)!!}{2n!!} \right]^2 \frac{\zeta(2n-1)}{2n-1} \left[1 - \frac{1}{2^{2n-2}} \right] \left(\frac{1}{u} \right)^{2n-1},$$